

John S Clemmer

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

44
papers

274
citations

12
h-index

15
g-index

55
ext. papers

324
ext. citations

2.9
avg, IF

3.34
L-index

#	Paper	IF	Citations
44	A mechanistic study for strain rate sensitivity of rabbit patellar tendon. <i>Journal of Biomechanics</i> , 2010 , 43, 2785-91	2.9	31
43	OBESITY AND CRITICAL ILLNESS: INSIGHTS FROM ANIMAL MODELS. <i>Shock</i> , 2016 , 45, 349-58	3.4	28
42	Mechanisms of blood pressure salt sensitivity: new insights from mathematical modeling. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017 , 312, R451-R466	3.2	24
41	Inhibition of NADPH oxidase prevents acute lung injury in obese rats following severe trauma. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014 , 306, H684-9	5.2	19
40	Oxidative stress contributes to orthopedic trauma-induced acute kidney injury in obese rats. <i>American Journal of Physiology - Renal Physiology</i> , 2015 , 308, F157-63	4.3	18
39	Hyperglycemia-Mediated Oxidative Stress Increases Pulmonary Vascular Permeability. <i>Microcirculation</i> , 2016 , 23, 221-9	2.9	15
38	Physiologic Mechanisms of Water and Electrolyte Disturbances After Transsphenoidal Pituitary Surgery. <i>World Neurosurgery</i> , 2017 , 107, 429-436	2.1	15
37	(α)-Adrenoreceptor blockade improves early posttrauma hyperglycemia and pulmonary injury in obese rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014 , 307, H621-7	5.2	13
36	Impaired vascular KATP function attenuates exercise capacity in obese Zucker rats. <i>Microcirculation</i> , 2013 , 20, 662-9	2.9	13
35	Oxidative stress increases pulmonary vascular permeability in diabetic rats through activation of transient receptor potential melastatin 2 channels. <i>Microcirculation</i> , 2014 , 21, 754-60	2.9	12
34	Impaired blood pressure compensation following hemorrhage in conscious obese Zucker rats. <i>Life Sciences</i> , 2013 , 93, 214-219	6.8	12
33	Glucose Homeostasis and Cardiovascular Alterations in Diabetes. <i>Comprehensive Physiology</i> , 2015 , 5, 1815-39	7.7	12
32	Sex-specific responses to mineralocorticoid receptor antagonism in hypertensive African American males and females. <i>Biology of Sex Differences</i> , 2019 , 10, 24	9.3	8
31	Validation of an integrative mathematical model of dehydration and rehydration in virtual humans. <i>Physiological Reports</i> , 2016 , 4, e13015	2.6	8
30	Role of the heart in blood pressure lowering during chronic baroreflex activation: insight from an in silico analysis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018 , 315, H1368-H1382	5.2	7
29	A novel experimental model of orthopedic trauma with acute kidney injury in obese Zucker rats. <i>Physiological Reports</i> , 2013 , 1, e00097	2.6	7
28	Simulating a virtual population's sensitivity to salt and uninephrectomy. <i>Interface Focus</i> , 2018 , 8, 20160134	3.4	6

27	EXPERIMENTAL OBSERVATION OF HIGH STRAIN RATE RESPONSES OF PORCINE BRAIN, LIVER, AND TENDON. <i>Journal of Mechanics in Medicine and Biology</i> , 2016 , 16, 1650032	0.7	5
26	Obesity, Malnutrition, and the Response to Critical Illness. <i>Critical Care Medicine</i> , 2015 , 43, e321	1.4	4
25	Simulation of integrative physiology for medical education. <i>Morphologie</i> , 2019 , 103, 187-193	0.9	4
24	Preeminent role of the cardiorenal axis in the antihypertensive response to an arteriovenous fistula: an in silico analysis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019 , 317, H1002-H1012	5.2	2
23	α-adrenergic regulation of stress hyperglycemia following hemorrhage in the obese Zucker rat. <i>Physiological Reports</i> , 2014 , 2, e12215	2.6	2
22	Racial and Sex Differences in the Response to First-Line Antihypertensive Therapy. <i>Frontiers in Cardiovascular Medicine</i> , 2020 , 7, 608037	5.4	2
21	Questioning the renoprotective role of L-type calcium channel blockers in chronic kidney disease using physiological modeling. <i>American Journal of Physiology - Renal Physiology</i> , 2021 , 321, F548-F557	4.3	2
20	Early treatment with GLP-1 after severe trauma preserves renal function in obese Zucker rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019 , 316, R621-R627	3.2	1
19	In silico trial of baroreflex activation therapy for the treatment of obesity-induced hypertension. <i>PLoS ONE</i> , 2021 , 16, e0259917	3.7	1
18	Effects of Acute and Chronic Hyperglycemia on Lung Capillary Permeability. <i>FASEB Journal</i> , 2015 , 29, 863.22	0.9	1
17	Physiological Modeling and Simulation-Validation, Credibility, and Application. <i>Annual Review of Biomedical Engineering</i> , 2020 , 22, 185-206	12	0
16	Using a Physiological Model to Understand Water and Electrolyte Disturbances Following Transsphenoidal Pituitary Surgery. <i>FASEB Journal</i> , 2018 , 32, 880.2	0.9	
15	Computational Modeling of the Impact of Inflammation on Renal Hemodynamic Function. <i>FASEB Journal</i> , 2018 , 32, 870.9	0.9	
14	Reducing Disparities in the Treatment of Hypertension in African Americans Using Computational Modeling. <i>FASEB Journal</i> , 2018 , 32, 844.5	0.9	
13	Reactive oxygen species and acute kidney injury after trauma in obese rats (859.2). <i>FASEB Journal</i> , 2014 , 28, 859.2	0.9	
12	Beta2-adrenoreceptor blockade reduces early post-trauma hyperglycemia and pulmonary injury in obese rats (859.1). <i>FASEB Journal</i> , 2014 , 28, 859.1	0.9	
11	Oxidative stress increases pulmonary capillary permeability in lean Zucker rats with chronic hyperglycemia (1153.6). <i>FASEB Journal</i> , 2014 , 28, 1153.6	0.9	
10	Attenuation of Post-Trauma Hyperglycemia Prevents Acute Kidney Injury in Obese Rats. <i>FASEB Journal</i> , 2015 , 29, 800.6	0.9	

- 9 Predicting salt and diuretic sensitivity in a virtual population using topological data analysis. *FASEB Journal*, **2016**, 30, 1216.14 0.9
- 8 Autonomic Impairment During Severe Hemorrhage in Obese Zucker Rats. *FASEB Journal*, **2012**, 26, 853.27.9
- 7 Impaired Blood Pressure Compensation after Hemorrhage in Obesity. *FASEB Journal*, **2012**, 26, 684.23 0.9
- 6 TNF- α -mediated hyperglycemia in Obese Zucker rats following orthopedic trauma. *FASEB Journal*, **2013**, 27, 1154.14 0.9
- 5 Acute kidney injury following orthopedic trauma in obese Zucker rats. *FASEB Journal*, **2013**, 27, 1114.6 0.9
- 4 Hemorrhage-induced Hyperglycemia Improved with Acute TNF α blockade in the Obese Zucker Rat. *FASEB Journal*, **2013**, 27, 1193.4 0.9
- 3 Hemorrhage-induced increase in total peripheral resistance is blunted in conscious obese Zucker rats. *FASEB Journal*, **2013**, 27, 1193.5 0.9
- 2 Impaired Autonomic Regulation during Exercise in Obese Zucker Rats. *FASEB Journal*, **2013**, 27, 943.22 0.9
- 1 Pulmonary permeability after hemorrhage and resuscitation in the obese Zucker rat (1157.2). *FASEB Journal*, **2014**, 28, 1157.2 0.9